WEST Search History

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| DB= USPT.PGPL | B.JPAB.EPAB.DWPI; PLUR YES: OP AD |),J | |
| 1.14 | L2 and L12 | 2 | L14 |
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| L12 | GGGACTTTCC | 64 | L12 |
| L11 | 1.2 and 1.9 | 184 | L11 |
| L10 | L1 and L9 | 101 | L10 |
| L9 | binding sites | 37632 | L9 |
| L8 | L6 and L2 | 0 | 1.8 |
| L7 | L6 and L1 | 1 | 1.7 |
| L6 | L3 and L5 | 64 | 1.6 |
| 1.5 | dendritic cell | 3007 | L5 |
| L4 | ribozym\$3 | 8755 | 1.4 |
| L3 | tolerogen\$3 | 395 | L3 |
| L2 | nf kappa b | 424 | L2 |
| L1 | nuclear factor kappa b | 211 | L1 |

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(FILE 'HOME' ENTERED AT 11:34:48 ON 21 NOV 7002)
     FIRE 'BIOSIS, MEDILIUS, MARDES, EMBASE' EMPERED AT 11:34:00 00 21 NOV 2000
            25547 NUCLEAR FACTOR KAPPA B
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157:1. -----
   ACCESSI II NUMBER:
   INCOMEND NUMBER:
                                                                                          Solutive empression of type 1 IFN genes in human
   TITLE:
                                                                                           dendritic cells inferted with
                                                                                           Mycobacterium tuberculosis
   AUTHOR(S):
                                                                                           Remoli, Maria Elena; Giacomini, Elena; Lutfalla,
                                                                                           Georges; Dondi, Elisabetta; Orefici, Graziella;
                                                                                           Battistini, Angela; Uze, Gilles; Pellogrini, Sandra;
                                                                                           Coccia, Eliana M.
  CORPORATE SOURCE:
                                                                                          Laboratories o: Immunolow, Istituto Sureri :- di
                                                                                         Janita, Esme, belei, Italy
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 AP Type I THIS services witherest expects of the immune response, inducing a
                  Cell-mediated including. We have resently shown that the infection of dendritic cells 17 with Mys barterium tuberculosis (Mtb) induces IFM-lapha. In this work we have monitored a rapid
                   industion of IFN-.peta. followed by the delayed prodn. of the IFN-.alpha.1
                   and/or -.alpha.13 subtypes. The Mtb infection rapidly activates the
                  NF-. dappa.B complex and stimulates the phosphorylation of IFN regulatory
                   factor (IRF)-3, events known to induce IFM-.beta. expression in viral
                   intestion. In turn, the autocrine product of IFN-.beta. induces the
                  IFN-stimulated genes that contain binding sites for
                  activated STATs in their promoters. Among the IFN-stimulated genes
                  induced in DC through STAT activation are IRF-1 and IRF-7. The expression
                  of IFF-1 appears to be dependent on the sequential activation of
                  NF-.kappa.B and STAT-1. Once empressed, IRF-1 may further stimulate the
                  transcription of IFM-theta.. Industion of IRF-7 is also regulated at the
                  transcriptional level through the binding of phosphorylated VIAT-1 and
                  STAT-2, forming the "Filestine att a sero fact ter bing leg. In turn, the
                 IRF-1 and IRF- extractly a separate to be required for the enlayer induction of the FR. In the service induction of the FR. Inc. I have a service as a service of the extraction of the FR. Inc. I have a service of the results of the
                  ton, IEN-Leta. - .... va ikE-1 and IEE-7 may hopperate toward induction of
                  IBN-, alph4. Lalb is intention persists and these factors are activated.
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ACCESSION NUMBER: DILEATER, DARRO
DOCUMENT NUMBER:
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TITLE:
                                                                                         The use of t leromenic dendritic
                                                                                        cells for enhancing tolerogenizity in a host
                                                                                       and methods for making the same
Pobbins, Paul D.; Lu, Lina; Glann ukakis, Mice
University of Little make form Transvesth Dyster :
Elmer Fattation, TVA
INVENTOR(S):
PATENT ASSIGNEE (3):
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SPURCH:
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PATENT INFORMATION:
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W: AE, AG, AL, AM, AT, AT, AL, FA, FM, FM, FM, FM, FM, CA, CE, CM, US 2000-200479P P 20000428 FRIORITY AFFIN. INFO.: The present invention relates to a tolerogenic mammalian dendritic ${\tt cells}$ (DCs) and methods for the prodh. of the tolerogenic DCs. In addn., the present invention provides a method for enhancing tolerogenicity in a host comprising administering the tolerogenic mammalian DCs of the present invention to the host. The tolerogenic DCs of the present invention comprise an aligudeoxyribonuslectice (ODN) which has one or more NF-.kappa.B binding sites. The tolerogenic DCs of the present invention may further compaise a viral vector, and preferably an adenoviral vector, which does not affect the tolerogenicity of the tolerogenic ICs when present the rein. Enhanced telerogenicity in a lost is useful for prolonging foreign graft survival and for treating inflammatory related diseases, such as autoimmune diseases. L34 ANSWER 3 OF 7 PARTURE CONTRIBUTED AND ACCESS ON NUMBER: 1 11 11 11 PARTURE DOCUMENT NUMBER: 1 141414 TITLE: of I that it is added allograft survival using dendritic cells related with NF-.kappa.B decoy oligodeoxyribonucleotides AUTHOR ::: Giennoukskis, Mick; Bonham, C. Andrew; Qian, Shiguang; Ihou, Ehongyou; Feng, Lanshā; Harnaha, Jo; Li, Wei; Themson, Angus W.; Fung, John J.; Robbins, Paul D.; Iw, Lina CORPORATE SOURCE: Department of Molecular Genetics and Biochemistry, University of Pittsburgh, Pittsburgh, PA, 15261, USA SOURCE: Molecular Therapy (2000), 1,5, Ft. 1-, 430-4-7 CODEN: MINHOK; ISSN: 1525-5016 PUBLISHER: Adademic Press DOCUMENT TYPE: - mannai JAGE: English Dendritic cells 10 thesically from the immune LANGUAGE: AB responses but the bandy days it. In the antibenespection From these for that is named as a formal contained and representing the frequency of the formal state of the expectable of the expectation of the clogaderwyrch name tibs contr. binding sites for The starpack with a compact of No are criticism by incorporated by bone The plant of the property of t MHC class I or class II empression. Furtherer, MF-.Eqp.al. (Mi) induced all series in a respectition process in the new of the risk of the series of the respectition process in the new of the risk of the series of the risk of the risk

significant prolongation of allograft survival in the absence of immunosuppression. Specific interference with NF-. kappa.P and other transcriptional pathways involved in immune stimulation in 10 using 000 decoy approaches sould be one means to promote telerance induction in organ transplantation. (c) 2000 Adademic Frees. THERE ARE 24 DITED REFERENCED AVAILABLE FOR THIS 24 REFERENCE COUNT: REMAIL ALI MITACI DI AVAILABLE DI LEE EE ELEMAT ACREST DISTRIBLES: TO DESCRIPTION POCHMENT IN THE FI energy again tactor attents dendritic cell "attaration through the innibition of nuclear factor -. kappa.B activation in hemopoietic promenitor della yana, .sunemiro; Ran, Sophia; Ishida, Tadao; Nadaf, AUTHOR :: d.rena; Kerr, Lawrence; Carbone, David P.; Pabrillovial, Dmitry I. The Vanderbilt Cancer Center and Departments of CORPORATE SOURCE: Medicine and Microbiology and Immunology, Vanderbilt University School of Medicine, Nashville, TW, 37232, Journal of Immunology (1998), 160(3), 1224-1232 SOURCE: CODEN: JOIMA3; ISSN: 0022-1767 American Association of Immunclogists PUBLISHER: Journal DOCUMENT TYPE: Emplies. LANGUAGF: AB Vescular and the lead mowth factor (TEOF), produce thy amost all tumor cells, affects the affiligence of the primary results HECO to differentiate of the factor dendritic cells (18). during the energy of an order mathematics. In this study we demonstrate apprint blanches to the telephone in the competed by placenta to the competed by placenta to the compete to the first placenta to the compete to the gene transcription juring the first 24 h in culture. The presence of VEGF significantly decreased the specific DNA binding of NF-.kappa.B as early as 30 min after indiction with TNF-Lalpha. This was followed on days to 10 by decreases in the mRNA for RelP and orBel, two subunits of NF-.kappa.B. Blockade of NF-.kappa.B attivity in HPO at early stages if differentiation with an adenovirus expressing a dominant fikappa.b inhibitor of NF-.kappa.F regrotured the pattern of effect. Frd. with VESF. Thus, NF-.kappa.hoplays an important role in raturation of HETE to DC, and VESF activation of the Fit-line ept role able to riotation activation of NF-.kappa.B in this system. Blockapp i MF-.kappa.B activation in HPMs by turnet - we live a factors may therefore declare member by emistion as a substitute of the limited and the substitute of the limited and the substitute of the substitute 5 74 55 5 5 5 5 Andres : Ditter : or income The contracts may be 10 to promote muchar Consumption of MF-laggaric and primer 10 for 11-12 o omano, Como a, Berlantona, Maria D., Blanthi, ATTHOR I : Figure 1, Figure 1, April 1, Figure THRECOME OF THE

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eta: **dffR() 1211: 1038112000 SOUMEN TO THE E ortho mirodylin i ab 11-11 reseptor by fresh The street and the expression of an IL-12 reseptor by fresh dendritic cells in and a limit with mobility shift assay anal., they found protection, and a learning mobility shift assay anal. AB. that DU possess an IL-12 receptor with .beta.1 subunit (downstream box 1)-related differences from that on Totals. IL-12 signaling through this resentor involved members of the NF-.kappa.R but not STAT family. The unique properties in the Hell reseptor on SC, characterized by a single class of binding sites with a Kd of about 325 rM, may underlie rather unique offects, such as IFW. gamma. - in becondent augmentation of class II antigen expression and priming for LFD-induced prodn. of IL-12. THERE ARE 4- lifety by Federicks awaitable For This Ÿ REFERENCE COUNT: RECORD. AND CITATIONS AND LABOUR OF THE REPORTED 134 ANIMER CORFE MEDIUM MEYBIGHT J ACCESS OUT TOURS : HOOTMENT : . 10 organism of interpolatin-1, 94% transmitt by CD40 TIPLE: predim via a mivati noti nuclear factor-.kappa.B Y. Mincre, Takayuki; Magasa, Hisashi; Ishida, Takaomi; In me, Junichire; Mariuchi, Hideo AUTHOR :: examinent Allergology, Institute Medical Science, CORPORATE SAURCE: Thiversity Tokyo, Tokyo, 108, Japan Furrpear Tournal of Immunology (1997), 27(12), Bur phar. 3461-3471 SOURCE: norem: EsiMAP; ISSN: 0014-2940 Wiley-VSH Verlag GmbH PUBLISHER: Journal DOCUMENT TYPE: English LANGUAGE: Interleukin-12 is produced in response to infection with lasteria or parasites or to balterial constituents such as light light marides life in monocytes/masscrhages and dendritic cells, and also generated by the interaction between a clivate of Declinaria. In an empty and antigenty recently a clivate of a CA - TA clivate of a Ca constituents such as the activities of the constituents of the activities of the constituents of the activities of the constituents of the activities and a clivate of the constituents of the cons in monocytes/masrcyhapas and dendritic cells, and ags ish, a 12 - binding sites a number of the sweet. months and the major of the religious which is located around 120 pp britteen of the franchistich ontilation with in morine and human p40 genes formed an NF-.kappa.E complex with nublear ext. from Daudi cells srimulated by CL4 ... igation. Moreover, transfer in of Daudi rells with the polymd. NF-.kappalk binding requence ligated to a thymiding kinase/chloramphenic, lagetyltransterage (IWI, reporter plasmi) neatly induced CAT activity, but thanks with the polymon mutates. NF-. RapperB binding sopious did not. These results state of that the MF-LRappale difficient like to rate particular to appoint the art of the transfer in the transfer in the contract of the transfer in the contract of the contr t: NF-.-.ip *.F.

136 ANIMER I OF F. MELITY OVERFIBED WILL AND 2002:712316 CAPLUS ACCESSION NUMBER: Marked prolongation of paralled allogrant survival by TITLE: dendritic cells genetically angineered with NF-.kappa. B clinck myrib numbertik ber ya dia Sensviral vertical the total-in Bunkar, J. Andrewy Bend, Lanchar Hand, Mile yang Shet, AUTHOR' :: Hary to hand, March & M., Lindle, Harmston, Holdet, and the control of the first state of the control of the co process, and the second control of the opur ment of Carbert and in mas E. Grarvi Boren and the hillardit tre, University of Bittsburgh Bandan Carber, University of Bittsburgh, Pittsburgh, CORPORAL PLOS THE TELE 1A, 1 113, 13A min 1: immunology (2002), 169(6), 3382-3391 SOURCE: CODEN: JCIMA3; ISBN: 0022-1767 American Association of Immunologists FUBLISHER: DOCUMENT TYPE: Taurnal LANGUAGE: English Bone marrow-derived dendritic cells 'Mar be genetically engineered using adenoviral (Ad) vectors to express immunosuppressive mols, that promote T dell unresponsiveness. The success of these DCs for therapy of allograft rejection has been limited in part by the potential of the adenovirus to promote DC maturation and the inherent ability of the DO to underso maturation following in vivo administration. DC maturation colurs via NF-.kappa. B-dependent mechanisms, which can be blocked by double-stranded "decoy" oligoderwyriken scientides (CCTs) i hug. binding sites 'MERALAPPA.B. Hereda, W de trine tro de la la la prince NF-.kappa.B entre sergio de la compactiona di Maria de Stably de la la compactiona de la compaction de la comp as dr. The eligent for the panetic entropy of the arkedly impaired allostime, and promote apprecia of activated T cells. Furthermore, Abministration of Ad CTLA4-Ig ODN-treated donor DCs (C57BL10; B1 (H-Ab), result transplant significantly prolongs MHC-mismatched ("HHe); "C|H H-Ab, was ularized heart allograft survival, with long-term (still days) din respective graft survival in 4% of recipients. The momentum is respective for CT to be remaining, which may involve arrivation-induced approximation of all repartive Totals, do not lead to sawing of intrapration in cytolica responses. The MF-. kappa.B antisense decays in conjunction with rAd encoding a potent destimulation blocking agent offers promise the to-batty of allograft rejection or autoimmune lisease with minimization of systemic immunosuppression. THERE ARE SO MITEL PREPARED BY AVAILABLE R R THIS REFERENCE COUNT: PROPERTY ARE DETATIVED AVAILABLE ON THE BE FORWARD IRG MUNUER , FOR DESCRIPTION OF THE PROPERTY O orango i grandi di programa di 1811 ana minda di Auran. dendritic cells ing that a three court in the state of the roll, Maria Flena, Gartini, mena, bittalia, zomata ty o ercyclonar, Accordant, artist, Franifica, Part of the property of the principal of CORPORT TERM OF THE SOURCE: - Amerikan Assortation of irremodelsts

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          indication is 1915-1994. It ligwed by the delayed productof the IFM-lalpha.1
          and or - alpha. It surppess. The Eth Infection rapidly activates the
          NF-.kappa.B omgoem and stimu. at a the
          phosphorylation of IFN regulatory factor (IRF)-3, events known to induce
               N-lbeta. Extreme in in viral infection. In turn, the autocrine produ.
          of IFN-.beta. induces the IFN-stimulated genes that contain
          binding sites for activated STATs in their promoters.
          Among the IFN-stimulated genes induced in DC through STAT activation are
          IRF-1 and IRF-7. The expression of IRF-1 appears to be dependent in the
          sequential activation of NF-.kappa.B and
          STAT-1. Once expressed, TRE-1 may introop stimulate the transcription of
         IFN-.beta.. Industry to in IFF- or also required at the Industrial tool leaf through the continuous property of the IFF- or also required at the IFAT-1, i rains the IFS-strandured by the respect to the relation of the IFF-?

expression appears to be required to the relayer industrial to the
          Isli-laight. Min serve. Although were latine, our results strongly support
          the existence of a late tomat. A writer in Mub-infected DC. Upon is totally, a market only depressed NF-.kappa.
          B and 199-3 are the rapid
          IBM-.compa. our control of the contr
          o lights to war a character of IFN-. Appla. 1/13 if infection persists and
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L36 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2002 ACS
                                                   2001:810872 CAPLUS
ACCESSION NUMBER:
                                                   135:385010
DOCUMENT NUMBER:
                                                   The use of telerogenic dendritic
TITLE:
                                                   cells for enhancing tolers genicity in a host
                                                   and methods for making the same
Robbins, Paul D., Iu, Lina, Clann whakin, Nice
University of Ferroid and of the Commission Cycles of
Florer Filteria, CVS
INVENTOR(S):
PATENT ASSIGNEE (":
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AB Dendritic cells if the solvency points and definition of these mois is associated by the control of these mois is associated by the control of these mois of these mois of these mois of these mois. with NF-.kappa.B- we ment transmirt in or their sets. If the respective has seen assocd, with impaired NF -.kappa.B-serence of the scription of costimulatory quius as well as NF-.kappa.B transionation is the nucleus. In this report, we demonstrate that double-stranded oligodeomyribonuslectides agait, binding sites for NF-.kappa.B (NF-.kappa. B QDN) are efficiently incorporated by b no marr wederload 30 and specifically inhibit NF-.kappa.B-defendent transcription of a reporter gene. Methodes, employer it is the oligonucleotide desoys inhibited lipsplys stunature 118 -insless nitrituralide produ., a marker of 12 naturalide. The atmentation of a new part we believe DI promenitors with NF-.kappa.B III selectively suppressed the selectively suppressed the selectively suppressed the selection expressed in the selection of th Di propenitors with NF-.kappa.B [1] he read three to the common injuries in a ran transplantation. A GARRON FERRINA CONTRACTOR CONTR ., 4 THERE ARE . 4 TOTAL REPERBORAL AVAILARIE FOR THIS FF FI. ALL CLASS OF AUNITARIE IN THE FF FEMAL

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in hem prietions a menit a celia Syana, Ishnenii ; Ban, Siphia; Ishira, Iaro; Nadat, Syrena; Kerr, Lawrence; Carrows, Iavid L.; AUTHOR 3: debrileyim, Imitry I. The Vanderbilt taneer Protes and Departments of the Distinct and Miss of Company and Immunicary, Manderbilt University for the Estatume, Name 12, 18, 17, 10, COFPORATE SOUPCE: internation of the strong and them is a compact of the strong and SQUECE: INDIANA.

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                   cells, affects the willing or Becom lettings pultur below HET to
                  differentiate into functional dendritic cells
                   during the early stages of their maturation. In this study we demonstrate
                  specific binding of VESF to HIC. This kinding was officiently a spote any
                   placenta growth tash r [FIRE], a limit beyorderly specific to the but-1
                   receptor. The man binding sites to TF Horaconsider
                   quiring DC maturation in vitro was in, with necreased reverse timeNUA for
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                   tringeriph in a second of the control of the control of the provence of UESF significantly as a control of the control of NESF.
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                   in HEC at warry starks or differentiation with an adenovirus expressing a
                    deminant likappade manipitor of NF-.kappa.B
                    reproduced the pattern of effects ched. with VEGF. Thus, NF-.
                   kappa. B plays an important role in maturation of HPCs to
                   IC, and VEGF activation of the Flt-1 receptor is able to block the
                    activation of NF-.kappa.B in this system.
                   Blockade of NF-.kappa.B activation in HPCs
                   cy tumor-derived factors may therefore be a modilarism by which tumor relision directly down-modulate the ability of the immune system to denerate
                   effective antitumor immune responses.
L36 AMOWER 7 OF 8 CAPLUS COFFRIGHT (1). ACC
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              The authors analyzed the expression of an IL-12 receptor by tresh
                    dendritic cells (BC) and a DC line. Using RT-FCR, Bilane
                   protection, and electrophoretic mobility shift assay date, they that that DC possess an IL-12 recept or with the talk of their assay of the state of
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Tour-like resept resultify are senting, recognizing pathology in tagable of recognizing pathology. Each age of recognizing LANGLAG: : (LPS) and 'pp-or alring oligonucleotides 'CpG ODN). TLR2 and TLR4 are major a regions for Gram-positive and Gram-negative bacterial cell wall components, respectively. TLR9 is necessary for CpG signalling. IEA or Opp CLM gas. agrivat- immature dendritic cells (D) and induce 10 naturation characterized by production of cytokines, up-regalation of it-seimulatory molecules, and increased ability to activate Toplis. However, little is known regarding the regulation of TLR dene expression in mouse DC. In this study, we investigated the regulation of TLR2, TLR4 and TLR9 gene expression by LPS in murine immature DC. TLR2, TLR4 and TLR9 mENA were up-regulated following LPS stimulation. The up-regulation of TLR9 expression coincided with significantly increased production of tumour necrosis factor-alpha induced by LFS plus CtG ORM. While inhibition of extracellular signal-related kinase and NF-kactaP activation suppressed the up-regulation of the expression of WiE., TIB4 and TLR9 mRNA, inhibition of por kinase prevents a the aperculation of TLR2 and TLR4 mFNA expression but enhanced the aperculation of NER expression. These results were potrated that TLR4, NLR4 and NLR4 dense. expression. These results were notifiated that the pureline and the following expression was not be provided as the any lift in a core lower arms as the theory rall people of the pureline and the synthety coverall people of the following and the angle of the synthety between lift and the arms and a provided in the liquidition of cytoking pr last in DICUMPANT NUMBER: TITLE: Expression of Historica Wekappa-Bepathway denies in dendritic cells D's or magrophages assessed by jone expression profiling. Faltathakis, Ivannis II ; Alcantara, Orlando (I); Boldt, AUTHOR (S): Tarid H. (1) Modifine/Hemat (tay, University if Texas Health strenge Center, San Aptoni , TW MCA CORPORATE SOURCE: SOMROF: Neething Inc. .. I has Arrows II ething on the American Survivor in Bernard Complication Factor (1977) in the first and approximation of the second of LANGE :

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NFkappa-B/Rel transcription factors (mainly := Kel, Roll, and pill have AΒ been implicated in the differentiation of monorytes to either 10s or macrophages, as well as in the maturation of Das from anti-ten-processing to antigen-presenting calls. Nevent studies of the expression pattern of Rel proteins and their innihities likelypale, suggest that their reduct a coming this differentiation process is transcriptional. It investigate differential dene expression between patrophades and Dis, we used commercially available sens min arrays (GFArrayTM EIT), with indicted 4 of the NEKarpa-Bake, rankly below prigit, polypit, belb, and t-Belt shall daily has been that are an in to be shown transmittional opins. It MFk_pp. - Fe is the control of the property of the control of t and radio accept with alpha-mak-dCFF, then hybridized to gene arrays containing specific gene probes, beta-actin and GAPDH or PUC18 oligonucleotides served as positive or negative controls, respectively. The expression of all 4 MFkappa-B/Rel family genes examined was significantly un-regulated in maturing DCs compared to macrophages. The strongest difference was observed for b-Rel. Sequential RT-FCR determinations of c-Rel, RelB, and plos mRNAs confirmed these observations. Stimulation of macrophages with LPS resulted in industion of the same genes, but the expression of c-Rel remained higher in DCs. Among the 32 NFkappa-B/Rel target genes, il were consiste: thy up-requiated in mature DCs compared to macrophages. These genes were-lkaptahalpha, NIK (serine/threoning protein kinase), IDAM-1, P-sels tin, IMFRL, IMFALES (serine/threonine protein almase, loader, resolation, loader, loader) (tumor necrosis factor alpha-induced protein), Helalpha, HelRi, HelRi, HelRi, IRAR / Hel receptor-associated kinds of an ITANK TRAB taming mother-associated Helalpha electric by contrast, only supel broncoyes one taxtociated helpha electric statements and superince statements. Hestits were reconstructed to the industrial and the protein and the protein superince to the second expression the rest of the state of the state of the experiment. Were standard expression of the state of t by NFRappa-BJFel impors.

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Ishii, Ken J.; Dakerhita, Fumihik ; Peresi, Disan; AUTHOR(S):

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with amount a type of substitute the option and the characteristic of the property of the control of the contro that wastmannings in time number so it the Fig-kinase family play a crit. reso in whiteling $2p \in 100$ to 20R-4. THERE ARE 2x CITED REFERENCES AVAILABLE FOR THIS REFERENCE COMM: RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT L19 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2007 ACS ACCESSION NUMBER: 2001:489249 CAPLYS DOCUMENT NUMBER: 135:71280 TITLE: Activation and inhinition if the immune system Funwell, Brian; Boundann, Mort INVENTOR(S): PATENT ASSIGNEE 'S): TWO Mathilda and Derenos Fernady and travel : Rhammatol ery Trust, TF Hor in . Appl., i - pp. SOURCE: DOCUMENT TYPE: 191-11 LANGUAGE: FAMILY ACC. DET. C DEE PATENT INFORMATION: PATENT U . PULL LATE AFFLICATION NO. DATE

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similifiedly upreather in matrices $1/\sigma$ compared to matriplages. The strongest difference was rather terms—rel. Eff-FTR dates, or o-rel, RolB, strongest difference was armit for threat. Efficients, of chrel, Reib, and plot mRNAs confirmed there discretions. Among the 32 NF-, kappa.87Rel pathway genes, 14 were upregulated in mature Instrompared to macrophages. These genes were I.kappa.8.alpha., IRK-, beta., NIF, IVAM-1, Foselectin, E-selectin, TNF-, alpha., TNFR2, TNFAIF, J.H-Lalpha., ILHER, ILHES, IRAK, and TANK. By contrast, only morel (minosyne deep tartity) are impregulated in macrophages to macrophages there is all the compared to macrophages there is all the compared to macrophages there is all the compared to its analysis of the selective compared to macrophages there is not in the compared to its analysis of the compared to its authorist for the compared to its armit places. The authorist for the compared to its armit places. The authorist for the confidence of the compared to the contrast of the compared to the compared to its macrophages and wing compared to the compared to participation of the results. truncriptions. Where to be pulled appairable is tors. The results in outrate the sail by fine NF-Rappa. By pathway to respond to distarent lation of mail by activating in a cell-specific manner unique simuling pathways and subsets of NF-.kappa.B target genes. 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS REFERENCE COUNT: RECORD, ALL CITATIONS AVAILABLE IN THE RE FORMAT

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DOCUMENT NUMBER:

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TITLE:

A Toll-like receptor recognizes that orial DNA

AUTHOR(C):

Bommi, Bircaki; Taketoki, Samu; Kawat, Taro; Kaisho, Tsuneyasu; Sato, Fhinter ; San c, Himeke; Mateumeto, Makrib; H. Shine, Markiski; Mighel, Helmann; I.aca.,

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INA from Farters, has stimulately attents on mammalian immune cells, which capacity in the presence of simulately area for instable in the bacterial DNA. In retrast, mammalian INA has a liw frequency of Tpd dinuclections, and these are mostly methylated; there is re, mammalian INA does not have inmunc-stimulatory activity. Opd CNA induces a strong T-belieneral inflammatory response. Accumulating ordinary has been also the thoragouting potential of CpG DNA as adduvants for technical nostrategies for manner, allergy and infectious diseases. Despite its promising office to the mol. mechanism by which the PNA artivates include wills repaine to the articles show that well also require for the articles show that well also require to the PNA articles for the Toll-like reservor. The TAR of the Estimate Tibes we also to the way registers to the TAR of the transfer of the TAR of the transfer of the transfer of the TAR of the transfer of the transfer of the TAR of the transfer of the transfer of the TAR of the transfer of

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Dr. F. J. Jawyer, University of Virginia, HOT Fox Accord, What loss of the Confidence of Management of the Charles of the Confidence of the Confid ATTHOS: CORPORATE COMPOSE: . I for a long that is a constraint 3-12-14-17, ... SOURCE: Halisia (1) 1000: The company of the company COUNTRi: DACUMENT TYPE: FILE & CENT: in an all April 199 IAN WARE

SUMMARY LANGUAGE: English

Background. DMA containing the Cylimstif is associated with inmunosodulation of the innate inmune response. Freezyesure stimatorization to CpG DNA elicits a hyperesconsiveness to subservent linouplysatcharide (LFS) stimulation. We tested the hypothesis that this effect is due to decreased nuclear translemation of nuclear factor . kappa.B (NK-.kappa.B). Methods. Muring matrophage-like RAW 264.7 cells were incubated with 1.5 .ma.gamb to 3- sectaining oligonucleotides (3) i (100), i r o... to the definition of the restinulation with I are subject to the contract of the contra corransfected with an NF-.kappa.H sensitive updited as reporter whateful and a contest. General-day plandid. Out a same to deal to the selection of selections and the selection of t statement and his a like-language, heappare and from a Histopia P by Western and to a some income in this, and it a property of the DH [a, exerminal Rivers, and are considered and the same and the assay. Results. NH-, capped as demonstrated by Indicerse and the process of the process of ODN pretreatment groups. Unlike endutaxin the range, Mp. 67N preexposure increased cytoplasmic phispho-I.kappa. F. algha. and did not abrogate mitogen-activated protein kinage activity. In disjons, in macrophages, exposure to CpG DNA in measure empression of the inhibitory pSU NF-.kappa.B homodimer and de measure NF-.kappa.B activity without inhibition of I.kappa.B kinases. Mirogen-activated protein kinase activity remains intact. Understanding these interactions between different tell receptor ligands may provide insight into novel therapeutic modalities.

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The sappoint of the same of the differential life in the differential life in any or Alther dendritic cells 23 (Das) or macrophages, as well as in the maturation of DCs from antigen-processing to antigen-presenting calls. Recent studies of the expression pattern of Rel proteins and their inhibitors (TkappaRs) suggest that their regulation during this differentiation process is transcriptional. To investigate differential game expression between transcriptional. To investigate differential page expression between macrophages and DCs, we used commercially available pere-rise arrays (GEArray KIT), which includes for the DE-supple between the peression of the DE-supple between the DE-supple signal transmitter in the DE-supple signal signal signal signal transmitter in the DE-supple signal sign Most sinds a specific sector parches, beta-actin and GAPDH or PUC18 oligonucleotides server as positive or negative controls, respectively. The expression fall four MF-kappaB/Rel family genes oximine; wis significantly apregulated in maturing DCs compared to жасторнадея. The strongest difference was observed for c-rel. RT-PCR determinations of s-rel, RelB, and pl05 mRNAs confirmed these observations. Among the 32 NF-kappaB/Rel pathway genes, 14 were upregulated in mature DCs compared to macrophages. These genes were IkappaBalpha, IKK-beta, NIK, ICAM-1, P-selectin, E-selectin, TMF-slpha, TNFR2, INFAIP3, IL-1alpha, IL-1R1, IL-1R2, IRAK, and TANK. By contrast, only mop-1 (monocyte chemotactic protein 1) was upregulated in marrophages dompared to DCs. NF-kappaP pathway genes upregulated in DOs umpared to macrophages were constitutively expressed in him bytos then selectively downregulated during macrophage but his Interestiation. His district in ture expression of more of these opener in some phases but 170 did in how appearlation of the original production of the control of the cont expression in the contract of the second in the alterent MF-kappaR simal transfer of pathways in 1%s and manages and with expression of a digs size to be not in 10% that as transmittionally targeted by We-kappas to be a set of the results libestrate the ability of the NF-kappas pathway to respect to differentiation stimuli by activating in a ce.1-specific marries unique signalling pathways and subsets of MF-kappaB tan ét þæse. Copyright of 1 Wolley-libes, inco NETT THE L21 ANSWER 3 OF 15 2000419645 HEDITER. ACCESSION NUMBER: 203943:3 PubMed II: I 6:464 DOCUMENT NUMBER: Prolongation of the flat all shaft a modern which TITLE:

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to induce or ruppeds immune responses. Empression of these molecules is associated with UF-4F-dependent transcription of their genes. DC to erogenicity has been associated with impaired NF-kB-dependent transcription of costimulatory genes as well as NF-kB translocation to the nucleus. In this report, we demonstrate that double-stranded oligodeoxyribonusleptides containing binding sites for NE-kB (NE-kB QDM) are efficiently incorporated by bone marrow-durived DC and specifically inhibit NF-kB-dependent transcription of a reporter gene. Moreover, exposure of DC to the oligonucleotide decoys inhibited lipopolysaccharide (LPS)-induced nitric omide production, a marker of DT maturation. Treatment of bone marrow-derived LC prodentures with NF-RP of H selectively suppressed the bel.-surfage empression of continuity only molecules without interfering with MEC class I or class II empression. Furthernize, NF-kh (N 10 ind. et d), each is and expedition from the contract of the contract with innocation of the types by taking property. A. Finally, infusion of NY-RE COM-traffic are no parameters prior to feart transplicture in resource in significant prolongation of allograft supply as in the last per or iron a larger being Operation interference with NH-elb and the research right had parhways involved in immune stimulation in Direction of Merical Court of these could be a conditionable to promote tolerance in noting in the read of anystantation.

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partly digresses, team illustranti-Sti (TVAM-3) or anti-CD99 mAb. The MFM- refresses is finally at Tr-1 wells was also inhibited by the average of lands and provide translator. Dawn CT44-mediated aportosis was precedently the repression to the IMA binding activity of the transcription factor Ab-1. IMA array screening revealed that the expression of several menes encoding a prosis-regulating proteins, including 14-3-3 proteins and the grandscope macrophage colony-stimulating factor (CM-CSF) receptor beta-saturity was represent in TF-1 cells bound to immobilized MEM-99. The down-regulation of 14-3-3 proteins and GM-CSF receptor beta was accompanied by translocation of the proapoptotic protein Bad to the mitrohominia. These results surgest that engagement of CD43 may, presumably the unit the repressing transumption, initiate a Bad-dopen cent apoptotic pathway.

L21 ANSWER 5 OF 15 MELLING ACTRONIC DE LA COMPTE NACOTE PARTY TITLE: e la companya de la marata a como al tilente well-keina via and the most of the transparant culturality Tell-like receptor Junnya Géoffrey B; Brunn Gregory J; Kodaira Yuzo; Platt ATTHOR: Twifeey L CORPORATE SOURCE: Degartment of Immunology, Mayo Clinic, 2-66 Medical Silemies Building, Rochester, MN 55905, USA. COMTRATI NUMBER: HI 4. TI MHIBI HT. 52397 THELPTY JOURNAL OF IMMUNOLUGY, (2002 May 15) 16% (10) 5233-9. Journal code: 29%8111%, 288%: UC22-1767. SOURCE: PUB. COUNTRY: United States DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE) LANGUAGE: English FILE SEGMENT: Abridged Index Medicus Jaarnals; Priority Journals ENTRY MONTH: Enderwick in Altit ENTRY PATE: leat Spated notification of on an exercise of the entropy and stand invertence test AT Intratation denerate inspect of the sea of the theory that are resignized by innate in the response of the second of the sea of the second o believed in an dendritic cells, in whather there

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and the same in the same in the same of the same in the same of th Erb. * Mibr. rell, Art. 19, 1 Bill Abiltis Name (Brown Brown) Name (Brown Brown) Dátimber i infi: LANGUA II: FILE S: WHIII: ENTRY M MIH: ENTRY CALL: ristere i stili za das ali lat Spaced, nother a 214 Enter-d Medline: 20020013 Dendritic cells 10 constitute a complex system of AΒ uniquely well-equipped antigen-presenting calls that initiate and regulate immune responses. Extensive recent studies have improved our understanding of DC development, differentiation, activation, and function. DC axist as distinct subsets that differ in their linear armitation, surface molecule expression, and biclorical function. These factors were t determine the T-sell polarizing signs. Said type at I was responsed nelper 1, Thelper 2, or Tregulating industry industry by 11. Evidence has accumulated that LO glay an important role in both mentral and periphera. tolerance via various mechanisms, including industion of T-cool anergy, tolerance via various mechanisms, including industion of T-cell anergy, include deviation, The collar try self entirety, and promotion of activated T-cell quartum, activated models are supported by the cell of the mile sum of activated DC tolerance of the mile sum of activated the cell of the mile sum of suggests that the following of the cell of the c tells to express immunisuppressive notecutes, offers potential for therapy of allograft rejection and autoimmune disease. In this brief overview, we outline principles and methods for generation of "tolerogenic" DC and outcomes that have been reported in experimental models. Space constraints limit literature ditations. L21 ANSWER 1 OF 15 MECLINE ACCESSION NUMBER: 2002171821 MEDI DIE 21908697 FubMed II: 1.90/ens DOCUMENT NUMBER: DNA array and bi India. Sharamerinath color the impact of TITLE: the patteration of a condendritic cells of the region type and univided a correct of The first of the process of the state of the ACTE: 3: CORPORT FOR THE WEE SOTRCE: PUP. TO DIEY. ICKYMEUT TYET: IANGTA:: i volte a umuteum monecula (Aastolie) (politica Aastolie) (politica aastolia) FILE OF HENT: Harry Charles ENTRY MANTH: Private F STM: 2002 (2011) Last Sphared on STM: 2002 (1002) ENTRY DATE: Enterwi Me Mine: 1 4 We systematically investigate it the unplot of the relative matter the latter of dendritic cells of the contract of the systematic σ AB prenatype, expressed in a systematic and memorial or memorial expression of the system of the system

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121 ANOWER - OF IT TAPITE PRETMINE OF ASS ACCESSION NUMBER: 0. L:549019 CAPLOS POCUMENT NUMBER: 13::1537*5 TITLE: intential role of phosphatidylinositol 3 kinase, rather than DNA-dependent protein kinase, in CpG DNA-induced immune activation AUTHOR(S): Ishii, Ken J.; Takeshita, Fumihiko; Gursel, Ihsan; Gursel, Mayda; Comoder, Jacqueline; Mussenzweig, Andre; Klinman, Dennis M. CORPORATE SOURCE: Section of Retroviral Immunology, Division of Viral Freducts, Center f r Biologies Evaluation and Research, Foud and Irug Administration, National Institutés of Health, Fethesda, ML, 2×642, USA Journal of Experimental Médicine (1961), 19818), SOURCE: V 4-11114 (IN: TEFAT) INT.: LANGTAUF: The thy was part of present in a restal INA stimulate a strong innate income require. The color is evidence that INA-dependent protein kinase (INA-FE) modiated to alimating. Specifically, wortmannin (an inhibitor of phosphatidylinesity. 3 kinase (F15)-kinases including DNA-PK) interferes with TrG-beyendent cell activation, and DNA-PK knockout (KO) mino fail to respond to OpG stimulation. Current studies establish that wortharm in actually inhibits the uptake and colocalization of CpG DNA with toll-like receptor [TLR'-9 in andobytic residies, thereby preventing CpG-induced activation of the NF-.kappa.B signaling cascade. We find that PMA-FK is not involved in tile or once, since three strains of DWA-FW WO miss responded normally to \$4 DUA. These results support a model in which Std signature is not interest. TLR-9 but not DNA-1K, and outpost that obstantin-sentitive medies in it the Pli-kinase family play a min. File in unitalized product. The F.
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           NF-.kappa.B is disclosed. Examples of
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           anti-sense nucleic acid encoding an NF-.kappa.
           B sequence, such as Rel B, and anti-NF-.kappa.
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Biology DOCUMENT TYPE: - .::.:. LANGUAGE: Dendritic cells of a second configuration of the second configuration co AB the includes general endeding secreted proteins as well as genes involved in bell adnest n, simuling, and ligid metable Pretein anal. of the same cell normilations was done using two-dimensional gel elegtrophoresis. A total of 900 distinct protein spots were included, and 4 of them exhibited quant, changes during DC differentially and maturation. Differentially expressed proteins were identified by mass spectrometry and found to represent proteins with Ca2+ binding, fatty acti binding, or shapershe activities as well as proteins involved in soll metility. In aidn., proteomic anal. provided an assessment of post-translational modifications. The chaperone protein, value is also round to assenue cleavage, yielding a nivel form. The ormained oligonucleotide midraarday and to to rit depotators have an total have a seem assemble. with IT stitles in an or and mandrus in mandra seed and its protest and the seed and the protest and the seed of the seed and the seed processes. REFERÈNCE COUNT: THE SE ASE OF THE REPERLENT AUNTRALIE FOR THE SECURE. ALL CITATIONS AVAILABLE IN THE RE FORMAT 121 ANDWER 1: FIR THE UNITED STREET AS CABIUS ACCESSI AN NORMER: 13 :0.000 POCIMENT HOMESE: A till-like receptor recognizes bacterial DNA. TITLE: [Erratum to document cited in CA134:161862] AUTHOR (2): Hemmi, Hiroaki; Takeashi, Osamu; Kawi, Taro; Kaisho, Tsuneyasu; Sato, Shintaro; Sanjo, Hidaki; Matsumoto, Makoto; Hoshino, Katsuaki; Wagner, Hermann; Takeda, Klyoshi; Akira, Shimui CORPORATE SOURCE: Department of Hist Lefense, Resdar to institute in a Microbial Diseases, Smake University and Type Research for Euclidian strikes, we assume the mass of $\gamma\gamma_{\rm c}$, where the Ti, that as Tature (Denoted to 1), a confect , each SOURCE: F"BLISH F: AB THE PLIE WELL STORY 101 AND DEBOTE IN THE STATE OF THE PROPERTY AND ACCESSED TO DESCRIPTION OF THE PROPERTY AND TITLE: % i li-like re syttr reir minez katterial INA Herri, Hirrakl; Takerchi, Osamu; Kawai, Taro; Kaisho, AUTHOR 13: Todayusu; Dar , Chin ar ; Çanio, midemi; Marsumoto, las t ; H shin , Karstakl; Washer, Herrann; Takeda, Fly sur; Ash , Anler lefarthènt of Histolerens, Fessand Institute och Middlikial like kess, och sta University and jöre Fessandi CORPORATE STURME: in K. Ettilet i has siden be and Deemh sorp, sidila, siden, logia de 1, dapan Mature I maio SOURGE: - , 1 8 × 81 × , 1 + 4

dia an Fadienine War. Takai FUBLISHER: ECCUMENT TARE: LANGUAGE: Fig. 186.

AB - DNA trop becomes a satisficating enterts to mammalign immune cyclis, which depend on the present of unmethylated Op? Hinudestides in the Payterial DNA. In contrast, mammalian DNA has a low frequency of CpS dimuslectides, and these are mostly methylated; therefore, mammalian DNA icos not have irmuno-stimulatory activity. Cp3 DNA Induces a str no tehelper-1-11kg inflammatory response. Accumulating evidence has revealed the theraporalist potential of CpG DNA as adjugants for various ich strateries for canber, allergy and intentious diseases. Tempte its protocol coin. We, the mel. mechanism ku which it fills at luster inches all her distributions. Here the attitude of life that a fill are earlies to be fills in reliable in a fill are earlies to be fills in reliable in a fill and any a life in the fill are earlies to be filled as a first shaw any response to produce the control of t The without any second in the sum pro-inclammatory cytokine levels. The in tigs of -1000-more areas I-melper type-1 response was also abolished in $\text{TI}_{1}^{\text{MH}}$ - r. c. . Thus, we find the innume systems appear to have evolved a specified for the release of that distinguishes bacterial DNA from Serf-Wil. REFERENCE DOWNT: THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT L21 ANSWER 15 OF 15 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V. 2002330736 EMBASE ACCESSION NUMBER: TITLE: Preemposure of murine macrophages to CpG-containing oligonucleotides results in nuclear rautor .kappa.b pto inmodimer-associated hypotesp estimates. AUTHOR: Tin I.; Raymond D.P.; Crabine. T.D.; Felletier C.J.; Rudy C.K.; Pruett T.L.; Sawyer R.G. Dr. B.G. Cawyer, University of Classical, HCCB & B. C. W. Charles & J. W. Char CURPORATE NOURCE: SOURCE: ili il a sa Ta aga National Control of the Control of t COUNTRU: FILE OF WELT: ar vij Artistik - America Firm Compansi Fathelogical Anatomy LANGUACE: SUMMARY LANGUAGE: Fr. 11 Sh AB Packground, LNA on thining the SpB motif is associated with inducembillar in if the innute innumer to spines, breezeware or macrophages to CpG DNA eligible a hypothespensiveness to subsequent lipingly southwide (LES) stimulation. We tested the hypothesis that this entermise are to decreased nuclear translatation of nuclear contraction and nuclear contraction of nuclear c hours followed by restimulation with 1 .mu. and 187 for a manufact recells were outranefer to invite an NF-.kappa.B
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AB Properties of the dendritic cells

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L23 ANSWER 3 OF 5 CAPILS COPYRIGHT 2002 ACS ACCESSION NUMBER: 2001:816872 CAPLUS 135:355016 DOCUMENT NUMBER: TITLE: The use of tolerogenic dendritic cells for enhancing tolerogenicity in a host and methods for making the same Robbins, Faul F.; Lu, Line; Diann skakls, Dick University of Fittsburgh of the Commonwealth System of INVENTOR(S): FATENT ASSIGNEE(S): Higher Eigration, 72A FTT Int. April., 64 pp. 1986 FIRML SOURCE: DOCUMENT THE : LANGUA::. FAMILY ACT. 1011. 1010: PATENT INFORMATION

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the tolerogenic 1 's when present therein. Enhances tolerogenicity in a mist is well of a production or relational survival and the transfer of the area o automatical contractions TITLE: lating mada migrarray profiles of tolerogenic dendritic cells AUTHOR(S): Suriu-Pora Corresini, N.; Fiazza, F.; Ho, E.; diu cuariu, B.; LeMacuit, J.; Dalla-Favera, R.; 'srtesini, k. Tepartment of Pathology, Columbia University, New CORPORATE SOURCE: York, NY, QUA SOURCE: Human Immunology (2001), 62(10), 1069-1072 CODEN: HUIMDQ; ISSN: 0198-8859 FUBLISHER: Elsevier Science Inc. DOCUMENT TYPE: Journal LANGUAGE: Erglish AB Dendritic cells are probablic the aminution as well as suppression of the immune response. Frevious reports have illustrated that APC interaction which articles provide I cappress to well size the tolerogenic, provide I has performed. In the research of KO-I changes of articles, tolerogenic APC, the makEMA provide of KO-I dendritie collections. instature dendritic cells Stimulated by T suppressor ceals differently of into mature dendritic cells with a distinct phenotype. The identification of Ts induced pathways of dendritic cell in forentiation is orit, to the davelopment if her theraparth strategies. REFERENCE COUNT: THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS 1 REDDEL. ALL DITATIONS AVAILABLE IN THE RE FORMAT L23 AMSWEF 5 OF 5 CAPLUS COPYRIGHT 2002 ACS XCQ2:199192 CAPL"S ACCESSION NUMBER: 137:41416 DOCUMENT NUMBER: TITLE: Prolongation of cardiab allograft survival using dendritic cells treated with NF-.kappa.B do my oligois kyrii nache thaca Nann dakin, No a, bonnar, No Amareu, Jan, Joireana, No a, Mondy W, Bona, Ishana, hanaru, No il, Mos, AUTHOR'S:: on the constant Way Band, Time Indication, I don't be eganthent of All Tiller Poetion and Bry membersy, in Tablet, of Little Ham, Eithermem, PA, 152e1, USA To two Tilerapy (1), 115, Etc. 11, 481-487 LENGTHER, INTELLEGATOR CORPORATE STEELS a takan: Tablitan b: a Pollar North Par FOCUMENT TYPE: , whi.41 LANGUAGE.: AB Dendritic cells in classically proceedings in responses but the remipulation to indust anti-ph-special to turbreshing here to mitro. The expression of distinctions wells. (CIMO, CID), Tub. as not in the interpretation of the contraction of the contract induce or suppress income responseer. Expression of these rules for a section with NAP responsible many that the section is a section of the with NF-. Rappa. H-dependent transcript, in inthe in density tolerogenicity has been assista, with impaired NF-. Rappa. Hdependent transpription of postinglating genge as well as NF-1km; alb translocation to the numbers. In this report, we demonstrate that double-stranged this legible the numbers of the contract of the NF-RagalP MF-RagalP The acceptance of the contract of the property when the contract of the

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Thomson Angus W; Fung John J; Qian Shiduang; Lu Lina

Department of Surgery and Thomas E. Starml Transplantation Institute, University of Fintsburgh Medical Center, CORPORATE SOURCE:

University of Pittsburgh, Pittsburgh, FA 15215, USA.

CONTEACT NUMBER: AI41011 (NIAID

JOURNAL OF IMMUNOLOGY, (2002 Septite 160 (x) 3582-41. Journal rode: 1988:108. 1880: 0120-1060. SOURCE:

PUB. COUNTRY: United States

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genetically engineers a using adenoviral (Ad) vectors to express immunosuspressive myteralles that promote T cell unresponsiveness. The success of these DNs for therapy of allograft rejection has been limited ir part by the potential of the adenovirus to promote DC maturation and the inherent ability of the Disc undergo maturation following in vivo auministration. 10 maturati n provis via NF-mappaB-dependent mechanisms, which tallie bit and by death-stranged "accey". Dig detwyribengolestides (ODNs) containing binding sites for NF-kappaF. Herein, we describe the combined use of NF-kappaB OPMs and rAd vectors encoding CTLA4-1; (Ad $\mathtt{CTLA4-Ig})$ to generate stably immature murine myeloid DCs that secrete the potent costimulation blocking agent. These Ad CTLA4-1g-transduced CDM DOS exhibit markedly impaired allostimulatory ability and growthe apoptosis of activated T cells. Furthermore, administration in Ad CTIM4-1; **IN-treated denor DCs (CSCR11); B1. H-Gb | before transplant similinantly pr 1 nus denor DCs (Q57BLI); F1. H-&r referre transplant eliminiment y problems MF0-mismature in the F1. TsH H-&r manufacture in each actual matter survival, with least or construction of the F1. TsH H-&r manufacture in the first of the F1. Tsh H-&r manufacture in the first of the first or construction of the first approximation of the first or construction or construct

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disease.

Lu Lira; Thomsel Angle W AUTHOR:

CORPORATE SOURCE: Thomas E. Starri Transplantation Institute, lepartrent of

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Fintered official and included by DC (1). Evidence has ENTRY DATE: AB neaper 1, The special traducatory-induced by DC (1). Evidence has accumulated that 12 glay an important role in both central and peripheral tolerance via various mechanisms, including industion of T-cell anergy, immune deviation, T regulatory cell activity, and promotion of activated T-cell apoptosis. Although many of the details of the molecular basis of EMC tolerogenicity have yet to be elucidated, emerging information suggests that costimulatory molecule deficiency, expression of death-inducing ligands (in particular Fas [0095] ligand), microenvironmental factors (in particular antiinflammatory/immunosuppressive cytckinest, and inhibition to mentranscription regulatory proteins (e.g., nuclear facture kappel can lapar tolerogenic potential to DT Inc. Manipulation of DY by a street their maturation and differentiation, or defiction engine which is these cells to express immin suppressive minerales, offers potential for therapy of allogrant role of a great interest in this crief everyiew, we confine princip to the princip and the princip of the princip Cunantitation of the Contraction 125 ANTOFF FOR A IUFLICATE 3 ACCESSI IL LUMBIE: : 13: 4E MEDICINE. -4.-3 - IsbMed ID: 30933964 DOCUMENT NUMBER: in a ngation of cardia, allograft survival using TITLE: dendritic cells treated with NF-kB deaby ...j gerkyrikunuslaetlögs. hrratum in: Mou Ther . Is Sepple 1 : Aft Erratum in: Zh u E (s inserted to Chen E) Giannoukakis N; Bruham C A; Çian S; Chen E; Feng L; Harnaha U; Li W; Thomson A W; Fung J J; Borkins i D; Lu L AUTHOF: Department of Molecular Genetics and Hittlemistry, CORPORATE SOURCE: University of Mittelburgh, Pittelburgh, Ferney, vania Mari, 110 A THE HALL MILLER

IN THE PARTY AND INTO A CONTROL OF THE PARTY AND THE PA CONTRACT NUMBER: SOURCE: POP. W. MIRE: IDOMEN, LEVE: gradu arii ir iminin i FILE &F DENI: ENTRY N DITH: ENTRY LAIF: 1g 1 10 1 15 1 11 1 1 1 Dendritic cells to Madintally painted ingrame response for the example atomic unique anti-pensage with

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Translatin of dendritic cells by T(S) TITLE: - in: the "rubial role of inhibitory receptors ILT3 and Terrost in: Nat Immandl. 2002 Mar; 3(3):215-7 CIMMENT: Than; C []; Ciphoteria R; Manavalan J S; Yuan J; Colovai A ATTHOR. 1; Placha F: Lederman S; Odlomna M; Cortesini R; Dalla-Pavera R; Sariu-Fara M CDRPORATE SOURCE: Department of Fathology, Columbia University, New York, NY 10032, USA. SOURCE: Nat Immunol, (2002 Mar) 3 (3) 237-43. Journal code: 100941354. ISSN: 15/9-3374. PUB. COUNTRY: United States DOCUMENT TYPE: Journal; Article; RIMAN ARTIMEN LANGUAGE: En alleh FILE SERMENT: leading tunner ENTRY MINTH: ENTRY THUE: trapolist of TIP and INVESTMENT A family of the delivery reserves a species ray nomenous option and dendritic cells. The most reserve the line is a linear interpretation of The State of the linear reserves of The State men system and dendritic cells, rendering these and Spen-presenting wills (AFCs) tolerogenic. Tolerogenic At the show request expression of rostimulatory molecules and induce antigen-specific care grantweese in Ti4- Thelper colls. Challes of human west thanglant to plants an west that refer to be the patients have circulating IS calls, which induse the open patient in IST and IST in donor APGs. These finding accounts as a log main to manuar or increase

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in a h st and methods for making the same Forming, Faul I.; D., Lina; diannoukakis, Nick University of Fittslungh of the Commonwealth Cystem of INVENTOR OF PATENT ASSIGNEE, 8": Higher Education, TOA FCT int. Appl., 64 pp. CODEN: PIXMOS SOURCE: DOCUMENT TYPE: Faterit LANGUAGE: English FAMILY ACC. NUM. COUNTY PATENT INFORMATION: WOË DAGE AFRICADEN DATE PATENT NO. _____ We : 2001 - - 11 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, TI, CM, GA, GN, GW, ML, MR, NE, SN, TE, TG US 200244564 A1 20024425 US 2001-444915 20014427 PRIORITY APPLN. INFO.: US 2000-200479P P 20000428 The present invention relates to a tolerogenic mammalian: dendritic cells (DCs) and methods for the product of the tolerogenic DCs. In addn., the present invention provides a method for enhancing tolerogenicity in a hist magnistra administering the tolerogenic mammallan ICV of the present invention to the nest. The tolerogenic ICV of the present invention companies to the key myster name of the COO which has the wester NF- kappa B : ... tolerogenic programme and a programme a visual versus, which are since affect the tolerogenicity of the tolerogenic Now when present therein. Education tolerogenicity in a most is useful for prolonging foreign graft survival and for treating inflammatory related diseasen, or man and inman angles so LUS ANDRES RES VARIOUS SERVICES L AUCESSI II ISPORES: T: Y'M 6 MINN DOCUMENT NUMBER: TTTT: lietien eRMA miniarry profiles di tolerogenic dendritic cells AUTHOR(S): Suciu-Faca Cortesini, N.; Fianna, F.; Er, F.; Ciubotariu, R.; LeMabult, '.; Dalla-Favera, B.; Cortesini, R. Topertment of Fath I my, I lumita University, New
York, NY, TVA
Buran Innance symmetry, in the electric symmetry in the electric symmetry. CORPORATE SOURCE: SOURCE: FUBLISH-F: LOCIMENT THEFT Dendritic cells

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L15 ANSWER 1 OF 1 ACCESSION NUMBER: : er mant in total area. Brait turvival with Branch to treates with NE-leap alforeby Line Expris 1711 to best Land Levels, Ille; Esphan, C. Andrew; Qian, Shiguang; AUTHOR . M: In a, Enchâyea; Feas, Lânsha; Harnaha, Jo; Li, Wei; incosin, Annas W.; Fung, John J.; Robbins, Paul D.; CORFORATE SAUFCE: Legariment of Molecular Genetics and Biochemistry, University of Firtsburgh, Pittsburgh, PA, 15261, USA Holebular Therapy (2000), 1(5, Pt. 1), 430-437 SOURCE: PODEN: MTOHOK; ISSN: 1525-0016 PUBLISHER: Academic Press DOCUMENT TYPE: Journal LANGUAGE: Enalish Dendritic cells (DC) classically promote immune responses but can be manipulated to induce antigen-specific hyporesponsiveness in vitro. The expression of costimulatory mols. (CD40, CD86, CD80) at the D2 sell surface correlates with their capacity to induce or suppress immuneresponses. Expression of these mels. Is asseed, with MF-.kappa.Pdependent transcription of their base. Witolerogenicity has been asseri. with impatred Welleappale-dependent thats hiptimus: costimulat by play as well as Ma-leggalb translacation to the nucleus. In this regard, we applicate that a wise-straided c). The regulation of the control of the same for MF-.kappa.B (MF-.kappa.E) and same for the bone marrow-derived DC shi specifically charait HF-laggarie-impendent transcription of a reporter dense. Experient, expensive of 10 to the oligonucleotide decoys inhibited lipopolysa charine IPS -induced hitric oxide prodn., a marker of DC maturation. Treatment of bone marrow-derived DC progenitors with NF-.kappa.B ODN selectively suppressed the cell-surface expression of costimulatory mols. without interfering with MHC class I or class II expression. Furthermore, NF-.kappa.B ODN DC induced allogeneic conor-specific hyporesponsiveness in mixed leukocyte cultures, and this was assocd, with inhibition of Th1-type cytckine produc. Finally, infusion of NF-.kappa.B ODN-modified bone marrow-derived DC into allogeneit recipients prior to heart transplantation resulted in significant prolongation of allograft Survival in the absence of immunesuppression. Specific interference with NF-. Raypa. Band other transcriptional pathways involved in immune stimulation in I tusing WIN below approaches to accomone means to promote to because in motion in organ transfiguration. Anaperla Arela. REFERRING CONT. THE ARE A TIPE PERSENTED AVAILABLE FOR THIS OF A LOCAL AND SERVICE OF AVAILABLE IN THE RESPONDED Till of the section of Assets as the section of the ACCESSI H LIBERE: DOCUMENT NUMBER: TITLE: enhanting tolerogenicity in a host and rethris for making the same Forthe, Faul D.; Du, Lina; Ghannoukakis, Nick University of Fittsional of the Commonwealth System of Higher Filipation, UVA TRABUTOR OF : PATENT ASSIBLE SE FOT Int. Appl., (4 pp. SUURCE: DOCUMENT TYPE: Eutor. LANGUAGE: Et. 11 1. 1. FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

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   The present livently related to a tolerogenic named landermit live and 12 or restricted for the product of the tolerogenic live. In arm., the present invention provides a
    method for the another tolerogenicity in a host comprising
    administ-ring the tolerogenic mammalian DCs of the present
    invention to the nort. The tolerogenic DOs of the present
    invention momerise at olipedsomyriberunlestide (ODN) which has one or more
    NF-.kacca.H binding sites. The tolerogenic DCs of the present
    invention may further communise a viral vector, and preferably an
    adenoviral vertor, which goes not affect the tolerogenicity of
    the tolerogenic DCs when present therein. Enhanced
    tolerogenicity in a host is useful for prolonging foreign graft
    survival and for treating inflammatory related diseases, such as
    autoimmune diseases.
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IIA ANDUFFI FOR A TOTAL AND THE ACCEPTANCE OF THE SECOND STATES OF THE SECOND STATES OF THE SECOND S is the first App. 1 The control of the state App. 10 polypopt lakes TITLE: llrum: INVENITA (: FATENT ASSIT MEE ...: SO JRCE: avadā ista. TEN: TAME DOJUMENT TYPE: LANGUAGE: knglist. FAMILY ACC. NUM. COUNT: 7 PATENT INFORMATION: PATENT NO. KIND FATE AFFILTATION NO. DATE "S 1997-828683 [AJTO:5] US 6469144 B1 20021022 CA 2249206 AA 19971009 US 2012123116 A1 11111 UN 44017 A2 1111 ----_____ 77 1990 124920(1980) 851 70 2 1994 198 10 10 10 10 70 10 1994 198 10 1111 TOTOLOR NEW POLICY STATE AND LARKEST AND LORSE THE AND LORSE THE STATE AND LORSE TO A LO PRIORITE APPING THE .: 1 1940--28683 AB 19970331 UN 1995-304003 B1 19990430 AB The author dischasso the eleming and sequence characterization for the tumps coursely factor family member Apr-3 and Apo-2 ligand inhibitor (Apo-21.1), an extra militiar indoment of Apo-3 generated by alternative spanning. In adum., the author disploses the apoptotic function of Apo-3, a particl ingradierication of its signaling pathway, and tissue specificity for its expression. 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS REFERENCE COUNT: RECORD: ALL CITATIONS AVAILABLE IN THE RE FORMAT L14 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 2002:770147 CAPLUS) DOCUMENT NUMBER: 137:269997 Apo-3 protein, a new merson of TMFR family instables TITLE: aportonis and related than the district m A state of a few sections INVENTOR F:: PATENT ASSISTED : ..., SOURCE: Tri: Trikka DOWNELL LYHL: LANGUADE: FAMILY ACT. MOTE A THE E ARPHIMATICH MO. DATE

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CPP32/yama. Apo-3 can artivate NF.karpa.B activation. REFERENCE COUNT: THERE ARE . "4 CITED REFERENCES AVAILABLE FOR THIS REPORT. ALL OUTSTIONS AVAILABLE IN THE RE L14 ANSWER 3 OF 10 CAPIUS THEFFICHES, LAW
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RITY APPLN. INFO.: US 1998-85997P P 19980519 PRIORITY APPLN. INFO.: UJ 1998-99060F I 19980903 OTHER SOURCE(S): MARPAT 13":110918 AB The invention provides novel saponin mixts, and compds, which are is late: from the species Agamia vistoriae and notices for ancir and. These compdet may a stall a tritorpess of lety, which as a variable deems linearly, to which lips to the star with his very library is an interest in the mixture and the star of the property of the star of the second o and optic screen to the character product the conference available for the specific screen and the conference available for the specific screen approximations available in the RE THERE ARE IT CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FYPRMAT L14 ANIMER 4 OF IX MALINE CORPERSED IS A ASS ACCESSI N NUMBER: 185544 TO CARLOS DOGUMENT NUMBER: TITLE: inhibition of NF-Lagrangia, thit or pane some siti me Sutterman, Sordan W.; Haridan, Valsala Research level prent Foundation, WA FOT Int. Appl., 645 pp. INVENTOR(8: FATENT ASSIGNEE(S): SOURCE: CODEN: FIXXDF DOCUMENT TYPE: Fatent LANGUAGE: FAMILY ACC. HUM. COUNT: PATENT INFORMATION: FARBITAL IN A RESERVED FOR THE STATE OF THE ji ya jeringalek la 1111 k PRIORITY APPLIA. INF *.:

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CIMER Office of a second of the action of the period of intermed in by providing, to a second described to the action of the action of intermed in by NF-.kappa. For the compact of a second of the manufacture of many compact of the manufacture may include the termes of the compact of the com trittigen in miletie, illere, ilpine, i even addn. moneterpenoid moleties. The organizations of stain addn. them. functionalities. Methodological actions to assist these companity prevent and treat a wide range of inclanmatory conditions, erg., prematomant inflammatory conditions are describea. L14 ANSWER 5 OF 16 CAPLUS COFYRIGHT 2002 ACS ACCESSION NUMBER: 2002:391986 CAFLOC DOCUMENT NUMBER: 136:396944 TITLE: Freparation of Total line empression HIV bik web and 208 and the osciolatic well in discovering Migraes, Himmoni, Illiams, Yu'll, hara, Natarial INVENTOR(S): Take an Oberlinal in Easterbox, It also impan PATENT ASSIGNED : SOURCE: . 81.: : 73331 DOCUMENT TYPE: 1 1 - 1.5 LANGUAGE: FAMILY ATT. 100. TOTAL: PATEINT . NEGRESSION: PATENTING. FILE DATE APPLICATION NO. DATE

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W: AE, AG, AL, AM, AT, AV, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CT, CZ, DE, DK, DM, LZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, ME, MZ, NO, NZ, OM, PE, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TP, TT, TZ, TA, UG, US, UZ, VM, YM, YM, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MO, RU, EU, TM US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM BW: GE, GM, KE, LS, MW, MI, SD, SL, SZ, TI, TG, ZM, ZM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LG, MC, ML, FT, SE, TF, BF, BJ, CF, CG, CT, CM, GA, CM, E, AV, ML, MF, ME, CM, CL, IT, AU 2002014307 AE 20020820 AT 2 2-1470 A 11110 AITY AFPLN. INFC: PRIORITY APPLN. INFG.: A. (W.). The sure, a condition also related to the HIV and the HIV requests to HIV and the HIV and the HIV and the HIV and the HIV are the HIV and the HIV are the HIV and the HIV are the REFERENCE TOTAL: THERE ARE STITE PREFERIUMS AVAILABLE FOR THIS RESPONDED AND THE RESPONDED L14 ANDWER CARTHA PARTON METER NO AND ACCESS OF COMMENT OF THE COM Fr I now to the transfer all transfer survival using a number of the transfer with NF-Lkappa.Ellery TITLE: cliquede axyrik nation tikes Giann skakir, Nisk; Bridan, J. Andrew; ,ian, Juigiand; AUTHOR (S): Zhou, Zhongyzu, Pera, Lancha, Harnaha, J., II, Welj Tromport, Africa M.; Emy, Tim J.; I saling Establis, The arrests of District and the following for the model of the control of the con CORPORATE S ME ME: : 3 FOR: NOWEN THE

Dendritio delis (10, classically from the immuno responses but can be AB manipulated to induce antigen-specific hypotesponsiveness in vitro. The expression of costimulatory mode. 1924, 2046, 2046, 2046 at the 20 cell surface correlates with their capacity to induce or suppress immune responses. Expression of these mals, is associal with NE-leapt. He dependent transcription of their gener. DO to be openlying new news dependent transcription of their gener. DO to be upenicity ner reen assocd, with impaire iNF-, kappa, is a pendent transcription of a science of general as well as NF-, kappa, is transcripted to the notice of the first opening of the science of t of base marriw-barived 1 % promenitors with NF-.kappa.B ODN selectively suppressed the reli-currice empression of bistimulatory mols, without in effecting vita NHC class of the lass of empression. Furthermore, MF-. cappa. - IN IN In it was all organic achor-specific hyporesponsiveness in mixed look type muturer, and this war assold, with inhibition of Thi-type cytokine promu. Finally, infusion of MF-.kupra.B ODM-modified bone marrow-derly-d IC into allogeneis recipients prior to heart transplantation resulted in significant prolongation of allograft survival in the absence of immunosuppression. Specific interference with MF-.kappa.B and other transcriptional pathways involved in immune stimulation in DC using ODN decoy approaches could be one means to grow to tolerance induction in organ transplantation. (g) 2000 Adademic Tress. 24 THERE ARE 24 CUTEU REPRENDED AVAILABLE FOR DELY REFERENCE COUNT: MECORO. ALL ITTATIONS AVAILABLE TO THE BE EXPANT IN ANTWER OF BUILDING THE VEY HELD ACCESSION NUMBER: Some of the second of the there send that it also strain methods for making the INVENTAL :::: Roblins, Faul I.; Lu, Liha; Giannoukakis, Nick PATENT ASSIGNMENT : Thirteralty of Elitaburgh of the Commonwealth System of High, r Education, TSA Î înt. Appl., 64 pr. SOURCE: TVALEN: FIRMSV DOCUMENT TYPE: Edicina LANGUAGE: English FAMILY ACC. NUM. SOUNT: PATENT INFORMATION: PATENT NO. KIND DATE APPLICATION IN LATE _____ The large the arm is the proint of the toler them in Televisians, the present invention provides a return of entarminant less and city in a new songriging administration to the televisian and the present.

invents with the variable like the sense is the present invention therefore a some sense of the sense is the present invention NF-scarpask and the sense of the sense invention must further only a first tent of an appetringly an agency iral vector, which is a first the following the following form the following form the following form the result for the sent the result of the following form the f .
rr conging the constraint sorvive, and the treating inclammatory related diseases, such as all immunidiseases. L14 ANGWER 8 OF 1ϵ -tables -coefficient L1 1 and ACCESSION NUMBER: 2001:489042 CAFINS DOCUMENT NUMBER: 155:80195 TITLE: Inhibition of plytomen synthase kinase t.keta. (GSK-3.beta.) for inhibiting MF-.kappa.B, and therapeutic use Hooflich, Klaus; La , Juan; Notigett, Ilin INVENTOR(S): PATENT ASSIGNEE (S): The Ortario Cancer Institute, in. for Int. Appl., we pro-SOURCE: DOCTMENS INTE: LANGUA HEL FAMILY A.M. 1151. T. 511: PATEIT ALFIBRALI III PATENT IG. BILL LATE APPLICATION NO. DATE _____ _ _ _ _ _____ ______ W: 2610-0A1578 20001221 WE ACTIVE TO THE TO THE TO THE TENTH OF THE R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, ML, SE, MC, FT, IE, FI, CY, TR US 2001053351 AI 20011220 TOS 2000-747552 20001222 US 1949-172064P P 19491224 PELCELTY APPLN. INFO.: WO 2000-041506 W 20001221 The activity of MF-kP is midulated through the some or GMF-our ME-sh The activity of NF-kP is modulated through the enteres in NF-k in NK-kB activity. Inhibition or down-resulation of NF-kP needles in degrees d NF-kP activity. Inarch priate out wathout NF-kP has been line at inclamation, when typing a density of a secretary of the specific form, and the state of the provention of two to the state of the provention of two two decretary. Note the are sufficiently provided the change of klilling of tomor colls the land to the state of the change of the call of the change ri blide i. 114 ANDRES ESTADOS TERRISES. ACC ACCEDSIN NUMBERS: Level 45 Februarios POCCHERO NUMBERS: Level 45 Feb PAGUMENT MUMBER: Pepulation of HIV-1 transcription TITLE: AUTH(R(S):Assurant, Kenneth A.; Salfaldin, Mchammed lepartment of immunitary Microbiology, Rush Presbyterian St. 1 de te Modical Senter, Chicar, II, CORPORATE SOUPHE: 1. 48. ... The state of the s SCURCE: PERFECT SHEET: LOGIMENT TYPE: IANTA E: FIA:B:

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learned about the transpriptional resultation of the HIV-1 denome in infected cells. It has been demonstrated that HIV-1 transcript in repense on a varied and complex interaction of high well transcription factors with the viral long terminal repeat (LTB) promoter. The requisitry elements within the LTB interact with a national very unit invariance. transcription factors to direct the assembly it a stable transcription complex that stimulates multiple runus of transmistingly PNA purposes II (RNATHI). However, the mainthy of these transmists terminate prematurely in the latence of the Virgility of these transmists terminate prematurely in the latence of the Virgility of the action at the value of the latence of the stome latence of the transferiety. The literak interest is a militar will as will as winage into the in that is the literature of the winage in the second of the s Angule special and in electricity of the residuation of HiV-1 transcription in important will be an encount into the inglettant countributions human lentivirus deme rounded for res have to our general understanding of the transcription r: ess.

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1999:657226 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 132:101869

Long terminal repeat promoter/enhancer activity of TITLE:

different subtypes of HIV type 1

AUTHOF(S):Maghavi, Mojgan H.; Schwartz, Stelan; Sonnerborg,

Anders, Tahins, Auders

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PUBLISHER: Mary Ann Lienert, Inc.

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Transcription of the HTV-1 provinus denome is redulated by a complex interplay between viral regulatory proteins and pellular transcription factors that interact with the obral limb terminal repeat (LTR) region of HIV-1. However, several collular transcription that are have been identified that can interact with the HIV-1 LTR; the similinance of all of these factors is not clearly understood. In this study the arrars have characterized the LTR region of Hiddenent subtyper of HIV-1 with regard to nucleotide sequence and promoter activity. The LTR region of HIV-1 from peripheral hot in nonlocative sequence in the content of the con unifyme a d'again the essaulune amonte, in taun ovaré tauni le molai di Helia. Nella portite di transferi di againte da di cura di tale di molai di tale. The TERminant transfer of the state of the s A, B, C, I, and C, Correlating that the patential third IF-laggare with majorate on the CIEF may be less to that the character diversity of the LTE may. radit în ETV-1 7 digram with firm sent implicative properties. Ende counts - - 44 - Tease Ass 41 dits sersenus Available sta Tein

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TITLE: H-. dept. Hip of a dust in Assinking to DNA duplexes, o no alilling a mun sou so it invaryor physphate Internitie tider nd Fugareva, Elena A.; Federova, Olga A.; Gottikh, Marina ATTHOR :: 5.; Tanaka, Hiraki, Malvy, Claude; Shabarova, Zoe A. A.M. Heloversky Institute of Physical and Chemical CORPORATE SITE SE in ...gy and lepartment of Chemistry, Mosdow State Thiresity, Misrow, 119-49, Rissia FEBS Letters (1996), 381(1,2), 35-8 SOURCE: CODEN: FEBLAL; ISSN: 0014-6733 Elsevier PUBLISHER: DOCUMENT TYPE: Journal English LANGUAGE: AB A new express technique based in the use of Fermi to synthemist MU. A new express technique based in the line of the Witterputness at bill duplexes denty, non-substitute of the substitute ipyr programs international to the substitute of the substitute ipyr programs. INA duplexes having that it is internated to a consideration as a treatment of the name of the substitute of the substi 114 ANGWER 11 OF 18 CARROLL COPYRIGHT 2 11 ACS ACCESSION NUMBER: 1994:696626 CARROL DECUMENT NUMBER: 21:296626 TITLE: letermination of the binding of transcription factors to nucleic acids by immunoassay INVENTOR(S): Doppler, Clamens; Himspeter, Matthias; Stockinger, Hubertus PATENT ASSIGNEE(S): Boehringer Mannheim G.m.b.H., Germany SCURCE: Hur. Fat. Appl., 9 pp. CODEN: EFKEDW DOCUMENT TYPE: Patent LANGUAGE: lenan FAMILY ACC. NUM. COUNTY: FATEUT INFORMED A M: ------. - . - - - - - -18 1999-4912390 19990416 IE 1 444-4410494 19930416 PRIORITY AFFIM. IMP. .: AB Birding that has mostless tay and their additionates. By (a) irradillolon wither the nucleic acts or the transcription ratter on a $s_{\rm N}$ lid phase; it is notating the transcription ratter with the nuclein abid; of addits a labeled antiropy to either the numbels addit in the transcription faster union expetitive similar ensitient, in logal the solid and liq. phases; and to measuring the amt. of tarel in wither phase. Thus, binding at transcription factor NEWE in modern exc. to me PMA-PHA-activated Turkat wells to a synthetic older a synthetic of a synthetic of the second contr. a minding site of a NEFE was letter by the archering extrement ≱i timpiatea liia bore toja polaskia romejano, a mitologio obtantapit MARTA, and park modern and a second of the control of the control

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ACCESSION NUMBER: 1994:xn3n4- TWEDIN DOCUMENT NUMBER: 1...1:2 - 4 -In vitre study of factional involvement of Spl, NF-.kappa.B/h-1, and AFI in poor in incompletate 13-acetate-m-distribute HTV-1 long terminal repeat TITLE: an Ivarili. Li, Yuchi; Nak, Cl. La; Franca, Balert F., Cr. AUTHOR(3): Cold Spring Hard in Lag., it was Spring Harrie, New York, CORPORATE SOURCE: m, nixa, ma namen i de la companion de la . Na ¹ The avery condition of the constant of the conduction of f BLICE's: DOCUMENT TYPE: LANGUAGE: Br. p. fish AB We example the or constitute satisfies the Spl and MF-.kappa.B/Rol sites of the human immanogeficiency virus type 1 long terminal repeat in response to poorest 12-myristate 13-abetate (FMA) stimulation in an in vitro transcription assay. Spl sites alone do not account for the activation induced by FMA. When nutations in Spl sites were combined with mutations in the NF-.kappa.B/Rel sites, a dramatic redn. in PMA-induced transcriptional activity was obsd. This redn. was much greater than the redn. assocd. with mutations involving only the NF-.kappa.B/Rel sites. This finding suggests that there is functional cooperation kerween Spl. and NF-.kappa.B/Rel and that this is one possible mechanism for transcription activation by NF-.kappa.Bykel. The three All mater in the most resulatory region of the long terminal repeat, however, seem to be uniqualized in the earliest mirents of transmire long, and bath may 1996. LI4 AND WEBSIES TANK TANK TO REPER MEN., IN MINITED COUNTRY TO THE PROPERTY OF Transmilprain i. the Air, regulater human communication of the my virus type 1 gene expression tarking, Nell P.; Adran if, Adam, P.; Dunkett, Colin J.; Marel, Bary 1. Hiwari Hagher Medical Institute, University Michigan, TITLE: AUTHOF '. : ': CORPORATE DOMESTA: Ann Arbar, MI, 4×10×-3650, MSA Tournal of Mircledy 1994), 68(10), 6820-3 SOURTE: TOLEN: JOVIAM; 1900: 0002-538X DOCUMENT TYPE: Tourmal. LANGUAGE: English Human immunodeficiency virus type 1 (HIV-1) gene expression is regulated ty an enhancer region composed of multiple potential restarting regulatory sites. Here, we describe kinding sites for the transmitting fact a Aiin the HIV-1 long terminal repeat which means we HIV endanger function. (no site is embolish within the two previously softens i Repark elements, and a second site is detected to their is what need. It has fortprinting and electroph notice active and to away expts. We have that that AP-C ris of the other actives a two actives also as a construction of the continuous statements. After that if the control of the co if we communicated the war to the communication of 1114 Alwart ... ANGENNI NINTERE 149 273MPN: 277119-86.: TITLE: 1 Late to 1 two different With thing times proteins which kind to the langhall-antitry sin promoter and to the main rought trip of spies class I enhanced Withdelpher, lathering, Iradoni, library, lathere, AUTHOR OF: F1 - - 11 1

CORPORAGE STOR TO: or and Moral Burners and J. Herberts and the company tioners Asian Bernarian (288), like i , li41= Tookid December, i , i liin took = , 45 SOURCE: DATUMENT THIS: LANGUATE: The partle Sina or and the INA-classific grateins (AT-BP1 and AT-BP2) were ΑĐ is rate a. Hoth pairs lns, under prepar from clambda.gtll lysogens, bind to the B-1 main or the .alpha.l-artitrypoin promoter, an element which is important for the liver-specials expression of .alpha.l-antitrypsin. Anal, or the STUA sequences enviling these proteins reveals that both contain 2 mind fingers of the Cyul-Hiwl type followed by a highly apidid stretch of 20 amino acids. AT-BEL contains a 2nd putative DNA-binding domain consisting of an &-fold repeat of a SEKK (Ser-Fro-Lys/Arg-Lys/Arg) motif. Both proteins bind to the NF.kappa.B recognition size in the NBC gene enhancer with significant higher affinity than to the .kappa. immunoglobulin gene enhancer, or to the B-domain of the .alpha.1-antitrypsin gene promoter. And. of mETA expression shows that AT-BP1 and AT-BP2 are expressed in all the tirsies exami. While the physical roles of AT-BP1 and AT-BP2 repulate the equation of their predicted wint of a require and the collider hand has defined as L14 AND TUBBLE OF THE ACCESSION NUMBERS OF THE VALUE OF THE ACCESSION NUMBERS OF THE VALUE OF THE ACCESSION .i.:114 %; TV-indured DNA damage is an intermediate step in DOCUMENT NUMBER: TITLE: TW-indused expression of human immunodeficiency virus type 1, collagenase, c-fos, and metallothionein AUTHOR . : : Stein, Bernd; Rahmsdorf, Hans Jobst; Steffen, Anja; litfin, Margarethe; Heirlich, Feter CORPORATE SOURCE: Inst. Ganet. Toxibol., Univ. Marlsruhe, Marlsruhe, J-/pit/1, Fed. Kep. Ger. Molecular and Callular Biology (1989), 9(11), 5169-81 COMEN: MCERC4; ISON: INTER-TABLE SOURCE: DOCUMENT TYPE: Journal LANGUAGE: English The primary target of relevant UV absorption, the pathways leading to dense activation, and the elements receiving the UV-Induced signal in the human immunodeficiency virus type 1 [HIV-1] .ong terring, repeat, in the new coming for a liarning, and in the edition of the description of the entries of MA and the transfer of the edition of the editi of the collaborate size, and so there is siftient - ~ 20 and -299 or fos). There exerent subjects a supported by paints motified and bind different transfer that protecting, a resistant tree NF. Kappa. R family kinds to the HITT-1 energy tree vector dimension and Fee (AF-1) binds to the The dark are realistically and the result from the self-are pC and polybind to for. INVA-singing arbitrage of the factors recognizing the HIV-1 and collagenase enhancers are as mented in exts. from VV-treated rells. The increase in activity is due to postranslational modification. Whereas AP-1 resides in the nucleus and rust be north two there, NF. AppalP is activated in the cyt plasm, indicating the existence of a cyt glasmic signal transduction pathway trips reasy SV-1.1.8.8.1 DEA ismass. It wis to activation, new synthesis of Al-1.2. Dealers by SV results as

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Day: Thursday Date: 11/21/2002 Time: 10:36:16

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name. Additionally, enter the **first few letters** of the Inventor's First name.

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Day: Thursday Date: 11/21/2002

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ANSWER 1 OF 9 BIOSIS COFYRIGHT 27.1 BIOLOGICAL ABSTRACTO INCLUDENT WIF I ACCESSION NUMBER: 2002:345247 BIOSIS PREV2.000000345..47 DOCUMENT NUMBER: Atlantimaria daes i MHA protoin-indusei toi eranse by TITLE: Allochimeric class i NEC pritein-indices to learn to by putting TCE comparement requires activition of a the TLA-atm common carrie-indicate penent out educe of many.

Altered all, Chancellonic, Freedom, Freedom, Freedom, Elektrical, Carrieri, Lan, Controllonic, Controllonic, Controllonic, Controllonic, Controllonic, Chancellonic, Chance A.1HOR .: : CURPORATE I TE I: SCURCE:) if i=i , we have i=i , we have DOCUMENT TYPE: Artino LANGUAGE: Erallish Background: The tark of texisties appropriated with the general immune AВ suppression resulting from current diminal immunosuppressive therapies continue to plaque transplant recipients as well as jeopardize allograft survival. Methods: The present study utilized allochimeric class : MHC antigens (alphalh u70-77-RT1.Aa) bearing only four donor RT1.Au polymorphic amino acids (a.a.; His"), ValV3, AsnT4, and AsnV7; superimposed on the recipient RT1.Aa background to induce transplantation. telerance in the rat pardiac transplant model. Results: Oral delivery of alphalh u70-77-RT1. As protein alone idays (1-1) induced talerance, as evidenced by inhibition of both abute and chronic rejection processes. Delivery of alphath (71-77-87). As with the rapearlo dones of byy.osporine (CsA) also preventes cusculo rejection, thorwise readily developed after to itself with AA or on Applymented to the earth of Fiberhamed analysis so was that the earth of the characteristic. vil - Linterier no sali-factorier author Theoper Incl zelle and elevated numbers of the composite experiments now also that potent is strately is some mediated tolerance. The same T deals displayed throughout the lifety for TCR)-driven signaling via extracellular regulated kinas#, AP-1, and NF-kappaB, as well as the common gamma-chain .gammac bytckine-reseptor-indubèd signaling by Janus kinase 3 (Jak3)/stimulators and activators of transcription Stat/5 pathways. Telerance industion was prevented in vivo by inhibition of signal 2 by CTL41g or of signal 3 by either rapamy in, which disrupts the mammalian target of rapamydin, or AG490, which inhibits Jak3. Finally, partial or complete tyrosine phosphorylation of Taplo was astro-time alloantigen-specific Tigell closes in response to tolerogenic versus immunogenic peptides, respectively. I notes as: I legande induction by allochimeric proteins is achieve try partial IT and in the presence of signals 2 and 3, resulting in a skewed Includent type. ANSWER 2 OF 3 PICSUL COURSE HE - Bill Himi Amteanth det.Philipate 3 ACCESSI II NUMBER: DOCUMENT TOWARDS: The state of the second of the al rais ; ANTHOR IN E CORFORATE COME 9: urung Panhatu no Baltir re , Channary 19, 1705 V-1.75, No. 1 Juga Robert , gas off-gove of the form of the control of the co DOCUMENT TYPE: LANGUAGE: English. Dendritic cells (CC) constitute a tribex system of subject we have aligned antigen-presenting of lighthat unitiate and be solded by his boy more.

Extensive to entact the contracting two contracting of DT divergency, which is that in, attituding an eighteen $1.2\,$ exist as distinct sources that alther an their almost a stilliation, surface more use expression, and had a light function. These factors seem to determine the Teach polarizing signals and type of Torell response-Total per 1, Total termines are replicated by DC (1). Evidence has a consulated that 12 glay an important role in both central and peripheral tolerance via varitus sechanisms, including industion of Terell anergy, immune deviation, T regulatory cell activity, and promotion of activated I-cell apoptosis. Although many or the details of the molecular basis of DC tolerogenicity have yet to be elucidated, emerging information suggests that mostimulatory male rule deficiency, expression of death-inducing ligands (in particular Fas (CD95) ligand), microenvironmental factors (in partitual antiinflammatory/immunosuppressive synckings , and inhibition of menstranscription resulting proteins (e.g., noticear factor-engine can impact tolerogenic potential) of DC (c. Mangalana and factorial) of their national materials and the contract of the contra cells to expecte the configurative in termone, differs preential for therapy of all professions of the contract and the second section overview, we curling principles and magness for deherables of "tolerogenic" DC and outtones that have been tep it. I in experimental models. Space constraints limit literature directions.

L6 ANDWER 3 OF * BIGSON COFFRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 3 ACCESSION NUMBER: 1 1:0000 BINGLO DOCUMENT NUMBER: 8067010mCU-5V483 TITLE: Reduced expression of NF-AT and NF-kappaB transcription factors in tolerant recipients treated with tolerogenic allochimeric donor/resipient class I MHC protein. Akioka, K. (1); Kirkin, R.; Wand, M.; Tian, L.; Yu, J.; AUTHOR(S): Stepkowski, S. M.; Kahat, B. D.

(1) Division of Immunol gy and Stoom Transplantation, CORPORATE SOURCE: University of T-was Mexica. School at Hourth, Fill Fannin St, Hastin, TX, To stown

Transplantation for we since , ~ 0.01 SOURCE:

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The true Capper Co. To the Capper Crance Laboration Co. Capper Co. Cap

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LÉ - ANSWER 4 OF - BINSTO CONVENIENT 2- L BISLOGREMA ABSTRACTS INC. STEENATTME PITTIE FREVA 0200547790 ACCESSI TO NUMBER: DOCUMENT NUMBER: TITLE:

Marked prolongation of the Har all grain survival by dendritio scalls genetically engineered with MF-kappaR oligodeswyria nurik tib dê niye ana eaen viral verb re

encoding CTLA4-la.

Bunkar, C. Andrews Henr, Lanchas Llancs, Klasyans Sen,
Jongyens Wanes, Liants, Ha, Lindlins Harcottein, House, AUTHOR(8): R Deliver, then the Thomas is, Vendur May Sundy This formula in, inches

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DOCUMENT TYPE: Article LANGUAGE: English

PATENT INFORMATION:

Bone marrow-derived dendritionals (District relatively entired) using adenoviral. Additionals to express immunisuppossive nationals that promote Total unresponsiveness. The adversary there District therapy if allograft rejection has been district the part by the possible of the agenovirus to pure to District and the active limitation of the product of the activity of the District and the activity of the District and the activity of the District with District and the activity of the District with District and the activity of the District with District and the activity of the the product activity of activated T dells. Furthermore, administration of Ad CTLA4-Ig ODN-treated donor DCs (CS7RI's) B10'R-IR') before transplant simificantly prolongs MEC-missmattned (TSHS-4) CSH(H-ZR)) was alarized heart allograft survival, with long-term (>100 days) denor-specific graft survival in 40 of recipients. The mechanism(s) responsible for DC tolerogenicity, which may involve activation-induced applicate at allograft active T hells, in not lead to skewing of intragraft They obtains response. Use or NF-kappab antisense decoys in conjunction with rAd encoding a potent position action blocking agent offers promise for therapy of allograft rejection or autoimmune disease with minimization of systemic immunesuppression.

L6 ANSWER % OF % CARLING CHARLISH OF A ACCESSION NUMBER: U 1:-1-5 % NARION ACCESSION NUMPER: The life i tolerogenic which it does not be the mandana tolerogenicity and mind and reth as in rading the same Fishing, Faul D., D., Dina; Glannoukakis, Mick INVENTOR'S): PATENT ASSISHED CO: Thiversity of Elitsburgh of the Commonwealth System of Higher Education, THA SCURCE: FTT Int. Appl., 64 pp. TYPEN: PINEN DOCUMENT TYPE: Patent LANGUAGE: English FAMILY ACC. NUM. COUNT:

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MF-. Rair a. Form in a mile on. The tolerogenic like in the present invention ray farther comprise a viral vector, and preferably an adenivariance of a compression of the tolerogenicity of the tolerogenic likewhen prevent therein. Enhanced tolerogenicity in a norther another for protonging foreign graft survival and to the tring unit amount by related diseases, such as aus immune diseases.

LC ANSWER 6 OF 9 CAPLUS COPYRIGHT 2002 ACC ACCESSION NUMBER: 2001:922841 CAPLUS

DOCUMENT NUMBER: 137:45987

TITLE: The role of State in the industrial trequarray T

cells in transplantation tileranve

Stepkowski, S. M.; Kirken, B. A.; Dany, W. C.; AUTHOR(S):

Trawick, B. W.; Nans, M.; Telgal, M.; Mans, M.=8.;

Tham, L.; Clark, L.; Fanan, F. 1.

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The roles of extrapellular-refulated kindse 2 (Erk2), NF-.kappa.B, AP-1, Canus typesine kinase + (Jakš), and stimulators and activators of transcription 5 (Stat5) in mediating transplantation tolerance were studied. Talerant recipients that had carried functional Wistar-Furth (WF) graits for more than 100 days were rechallenged with a second WF heart. Purified T cells from spleens and lymph nodes of rejectors and tolerant T cells showed a significant increase in Jak3 empression. The presence of phosphorylated Erk2 and the expression of Jak3 indicated that the tolerant animals have actively reacting alloantigen-specific T cells, but that their response was distinct from that in nonactivated T colls of syngeneic grafts or fully activated T colls in rejectors. To one of T cells showed almost undetectable AP-1, NF-.kappa.B, and Star 5 DMA Lindin: activities. The LMT-2 plane stimulates with immunescule 8.8.-1 per lasshowed potent Starf IMA himming lines any II-2 or not by II-1. In the constraint, the IMT-2 or no symmetric potent tolerogenic is a second or starf and the constraints. pertine on which is a first little course area of a standard pertine on which is a second and the standard of 4 1. 1 . 14 m + 1.1 .

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TITLE: liching rANA rin array profiles of

tolerogenic War will be will a

Zuriu-Foșa Cortesini, N., Fianna, F., Hr, E., AUTHOR (S):

Cimbotariu, E.; LeMarult, J.; Talla-Favera, E.;

Cortesini, R.

Department in Eath 1 sy, 1 limits University, New York, NY, TUA CORPORATE SOURCE:

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changes occurring in tolerogenic APC, the mEMA in tille : EG-1 dendritic cells exposed to allospecials Topelper and Topepers to be a were analyzed. This study now provides evidence that include for all its cells stimulated by T suppressor sells intrepentiate into mature denomities cells with a distinct phenomys. The location of a limit in the interest pathways of denomities well differentiated in is only. new therapeutly strategies. BREERENCE CONT. L6 ANDWER ROAD TO MAEL TO ERRORED A MANAGERSIMO NOMBER: TO THE TOTAL MAINTENANCE OF THE PROPERTY OF THE PROPER

ACCESSION NUMBER: DOCUMENT NUMBER: yo :41410

SCURCE:

TITLE: eroundation or hardian allograft survival using senaritin helds treated with NF-.kappa.B deboy

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AUTHOR : Hannoukhnin, Mink; Donham, C. Andrew; Qian, Shiguang;

Chou, Chongyou; Feny, Lansha; Harnaha, Jo; Li, Wei; Thomson, Angus W.; Fung, John J.; Robbins, Paul D.;

Lu, Lina

CORPORATE SOURCE: Department of Molecular Genetics and Piochemistry,

University of Pittsburgh, Pittsburgh, PA, 15261, USA

Molecular Therapy (100%), 1(5, P:. 11), 4: -437 CODEN: MTOROK; ISSU: 1807-2 18

PUBLISHER: Adādemic Fryss

DOCUMENT TYPE: kurna.

Port of PMP1081 . Pit 1 41 W1 AP 1.0 Composition of the Child Early composition of dendritic cells for BI I BI AL ABSTRANS INCLINELICATE I ACCESYL IN TOTAL FEEL DOCUMENTS NUTBERS TITLE: to became injustic, in transplantation and autoimmune 1., line 1; Thuman, Angur W. 1. Thomas E. Starol Transplantation Institute, University of Eletsburgh Medical Center, 10 Lethpop Street, E1654, ANTHORES : CORPORATE SOURCE: Bismedical Science Tower, Fittspurgh, FA, 1991: Lul@msx.upmc.edu USA Transplantation (Baltimore), (January 18, 2002) Vel. 75, SOURCE: No. 1 Supplement , pp. 818-922. http://www.transplantisurnar.com/. print. ISAN: 0041-1830. Addarat Baylaw DOCUMENT TYPE: Dendritic cells of the state of LANGUAGE: AB molecule express in, and biological function. These factors seem to determine the T- \sim II polarizing signals and type of T cell response-T nesper 1, I helper 1, it is regulatory-induced by DC (1). Evidence has assumulated that 10 glay an important role in both central and peripheral telerance via various mechanisms, instuding induction of T-cell anergy, immune payration, Tregulatory well appivity, and promotion of activated I-rell apoptosis. Although many or the details or the molecular basis of DC tolerogenicity have yet to be elucidated, emerging information suggests that costimulatory molecule deficiency, empression of death-inducing ligands (in particular Fas (CD95) ligand), microenvironmental factors (in particular antiinflammatory/immunosuppressive synckines , and inhibition of $g \cdot n \cdot \cdot$ transcription regulatory proteins (e.s., nuclear factor-kappaß) can its actolerogenic potential to imply. Manipulation of DY by a nimel at their maturation and differentiation, or generic engine of industrials. cells to express insun ouppressive non-rules, there potential for therapy of all draft records to the Autobrome state. In this prest we write w, we outline principles and methods for a president in a "tolerogenic" Terramo cur referencia de escreta espera en experimenta, mas la superimenta de la subjere. O sum ramo no un ordo de estra esperanta por mas PROMINE THEY ART HI LARI WI ABRTRACTO INC. HIS TAKEN HIS MINE HABBE . . . FRANCIA ACCESSO II II II IIFFF: DOWNER WITH BE TITLE: Hark a path magh musi sa file allograms survival by dendritic cells are disally engineered. with NF-kappaR oligade myribanu 18; tide descys and asenteirailbettreslene über MAI-ly. Bonham, 1. Ambrew; Lend, Landbar, Lland, Milloyan; Chem, AUTHOR(S): Nongy u; Wang, Liantu; Ma, Linlin; Harkitein, Hilber; Robbins, Faul D.; Thoman, Andus W.; Fund, Tim D.; Jan, Chiquang, Eq. Lina D.

Thomas A. Starri Transplantation in those, University of Fittsburgh Medical Sentence, Link to p. 1997. CORPORATE STURME: Mi medical defense i wer, Mi 44, istosasi m., 44, itsle: was marked the second Combine ego vilos estados en estados de la como en e La como en estados en estados en estados en estados en estados en entre en estados en entre en entre en entre e 1300 1130 1 AB | Propriet - Francis dendritic cells | No. 140 (e.

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TITLE: tolerogenic dendritic

cells it endanting tolerogenicity

INVENTOR(S): In a h st and mother's for making the same

Housing, Faul D.; Lu, Lina; Giannoukakis, Nick

PATENT APSIMIFF 2: This ending of Firesburgh of the Commonwealth System of Hinler Education, USA

SOURCE: EST Int. Appl., 64 pp.

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DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

the tolerogenic DCs when present therein. Handa will tolerogenicity in a host is useful i fight within their wait survival and for treating intlammatory related useful. autcimmune diseases. LO ANGWER 4 OF TO MELTING TERRIBET AND ACCESSING NUMBERS: LET NOT THE TAKE TO DOCUMENT BUTCHESS: TITE: tolerogenic dendritic cells ANTHOR IN: Pur darit, B.; DeMarair, J.; Dalla-Favera, R.; Department of Fathelogy, Columbia University, New CORPORATE FUURTE: Transition of the result of th SGURCE: PUBLISHEF: Elsevier Paignag In . DOCUMENT TYPE: Journal LANGUAGE: English AB Dendritic cells are crucial to the activation as well as suppression of the immune response. Frevious reputs have illustrated that APC interacting with antigen-specific T suppressor cells become tolerogenic, inducing T helper anergy. To characterize the mai. changes occurring in tolerogenic AFO, the mRNA profile of EM-1 dendritic cells exposed to allospecific T helper and T suppress a solis tion what yield. Influence, it is not by that it is denoted by the cells of includes a fixed and in the cells of the te la difference de la caracte dendritic cells with a clatif of a caracte dendritic cells with a clatif of a caracte dendritic cell with a caracter of the caracter of the dendritic cell with an actual dendritic cell with a caracter of the development is new therapeutic strategies. REFERENCE COUNT: 4° THERE ARE 4° VITEL REFERENCES AVAILABLE FOR THIS REMORS. AND CITATIONS AVAILABLE IN THE RE FORMAT DE ARSWER 5 OF B. CAPING CORYRIGHT 2012 ACS ACCESSI OL NUMBER: _ 001:199100 CAPUS 135:41414 DOCUMENT NUMBER: TITLE: Prolongation of tartias allograft survival using dendritic cells 'Fba'ed with NF-.kappa.B decey oligodocxyribonsclootides Giannoukakis, Nick; Benham, C. Andrew; Jian, Shiraka; AUTHOR(S): Zhou, Zhongyou; Seng, Lansha; Harhaha, Je; 11, Wel; Thomain, Angus M., Pari, Pin J., Editor, 1920 1.; lu, lima capartment to Modernian American and Elementary,
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double-stranied listic wyrif niele trach that a france die en n NF-.kappa.B (NF-.kappa.F (IN) are encountry for aparte says or marrow-derivel II and special value and it NF-.kappa.F- aparte s transcription is a reporter while. More very employer at Dollar the object, the consequence time is the limitation of programmer described interior can be product, and the first interior of the consequence of the consequen